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PTO/SB/16 (06-03)

Approved for use through 07/31/2003. OMB 0651-0032

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

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60/543057

020904

INVENTOR(S)					
Given Name (first and middle [if any])		Family Name or Surname		Residence (City and either State or Foreign Country)	
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Additional inventors are being named on the _____ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (500 characters max)					
Digital Weight Apparatus Having a Biometric Based Security Feature					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number:		32301			
OR					
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ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages 18		<input type="checkbox"/> CD(s), Number _____			
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<input type="checkbox"/> Application Date Sheet. See 37 CFR 1.76					
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<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		FILING FEE Amount (\$)			
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[Page 1 of 2]

Respectfully submitted,

SIGNATURE

TYPED or PRINTED NAME

TELEPHONE

Jeffrey E. Landes, Esq.

858-450-0099

Date 2/9/04

REGISTRATION NO.

(if appropriate)

Docket Number: 8042-002-PR

P-55,355

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Provisional Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 80.00

Complete if Known

Application Number	
Filing Date	February 9, 2004
First Named Inventor	ROES, Michael A.
Examiner Name	
Art Unit	
Attorney Docket No.	8042-002-PR

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
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FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	80.00
SUBTOTAL (1)					(\$ 80.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		-20** =		X		=	
Independent Claims		-3** =		X		=	
Multiple Dependent						=	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

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FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

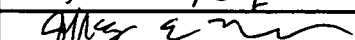
Other fee (specify)

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SUBTOTAL (3) (\$)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Jeffrey E. Landes, Esq.	Registration No. (Attorney/Agent)	P-55,355	Telephone	858-450-0099
Signature		Date	February 9, 2004		

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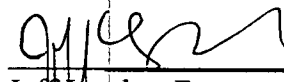
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February 9, 2004

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Jeff Landes, Esq.

February 9, 2004
Date of Deposit

Mail Stop: PROVISIONAL APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Re: DIGITAL WEIGHT APPARATUS HAVING A BIOMETRIC BASED SECURITY FEATURE
Our Docket No.: 8042-002-PR


Dear Sir or Madam:

Enclosed please find the following documents related to the above-identified matter:

1. Provisional Application for Patent Cover Sheet (PTO/SB/16);
2. Fee Transmittal (PTO/SB/17);
3. Specification/claims (18 pages);
4. Figures (3 pages);
5. Self-addressed, stamped postcard.

The self-addressed, stamped postcard has been included for your convenience. After confirming receipt of these documents please return the postcard to us at your earliest convenience. Should you have any questions, please do not hesitate to contact me by phone at (858) 450-0099.

Sincerely yours,


Jeffrey E. Landes, Esq.
P-55,355

Enclosures

Date: February 9, 2004

Express Mail Label No.: EV 383801901 US

Inventor(s): Roes, Michael A.

Attorney's Docket No.: 8042-002-PR

5

Digital Weight Apparatus Having a Biometrics Based Security Feature

FIELD OF THE INVENTION

10 The present invention relates to a device that useful for weighing objects, such as a bathroom scale; that is capable of creating, storing, updating and communicating data within one of a plurality of user profiles; that is easily programmable; and that maintains the privacy and security of said data using biometric identifiers.

BACKGROUND

15 Weight control has become a modern obsession. It is virtually a national pastime in the United States, where many tens of millions of Americans struggle daily with diets and exercise programs. Some are motivated by a desire to live a healthier lifestyle. Others are driven by a need to alleviate anxiety about personal appearance. All prefer that a weight control regimen is easy to maintain.
20 Though weight control is common to most of the population, there is still a strong desire by individuals that their weight control information is kept confidential.

Digital scales are an important tool used by many in a program of weight control or management. Most digital scales known in the art do little more than measure and display a user's current weight. Some prior art digital scales may display
25 additional measurement information, such as recent weight loss or gain, body mass,

bioimpedance or a calorie counter. Still further, digital scales in the prior art will display graphs of historical weight measurements, thereby indicating a weight change trend. Unfortunately, the digital scales known in the art are generally ineffective in securely maintaining a plurality of users' information stored within said digital scale,
5 and are further inefficient and laborious in accessing and updating the user's profile and measurement information.

Data relating to a person's weight control regimen is considered to be personal to the individual and thus individuals desire to keep said information private. Using the record keeping devices and measurements of the prior art, the individual's privacy
10 is easily breached. Printed and handwritten records of the prior art offer little privacy, and are easily lost. Digital scales of the prior art offering password protected user profiles attempt to offer some level of privacy; however, said passwords are tedious for the user and are easily accessed by others. Passwords can be lost, they can be viewed by others, they can be randomly selected by more than one user, or any of a
15 variety of events may occur to breach the security of a password protected user profile. In addition, the use of a user code is tedious in that the user must remember the code, manually enter the code and maintain the secrecy of the code. These steps must be taken every time a user is simply trying to get a weight measurement stored in said user's profile.

20 Although several prior art digital scales have attempted to offer a device that is capable of privately maintaining a variety of weight management information, the devices of the prior art are deficient in accomplishing this goal. Thus, there is a need in the art for a device that is capable of securely maintaining a plurality of user

profiles, wherein said maintenance is easy to the user, secured from others, and displays comprehensive and informative data to the user.

SUMMARY OF THE INVENTION

5 A programmable microprocessor-controlled weight device capable of automatically determining whether a current user is a new or existing user, and proceeding accordingly from said determination. Depending on whether said user is new or existing, the digital scale will either set up a new user profile or access a user's stored records, respectively. The digital scale recognizes a user based on a biometric
10 input. If the biometric input is not compatible with any profile currently stored in memory, the user will be automatically prompted as to whether said user would like to create a user profile. At this point, the user will review the prompt, and, if the determination were incorrect, the user can step off of the weight device and restart the process for a second read. But, if the determination is correct, the user merely need
15 remain on the weight device until the preprogrammed time period lapses, and the determination is then accepted by the user.

 The user's profile, having been either created for a new user or accessed for an existing user, is then updated with the newly measured information, which is communicated to said user. Biometric user identification is useful not only for ease of
20 profile access, but biometric access also allows the user information to remain confidential. Whereas the digital scales of the current art protect user profiles with passwords and other access codes wherein the profile access code is easily obtained by others, the current invention's biometric information is accessible only using the user's unique biometric identifier. This is advantageous over the prior art in

Docket No.: 8042-002-PR

numerous settings, such as in the gymnasium, multiple person housing, doctor's offices, and other settings wherein a weight device is accessible to more people than just a single user. Information stored in a user's profile can include, information measured by the device over a period of time, as well as trend and projection data and target goal data. Such data is either automatically acquired by the device or, as in the case of custom information such as target goals, said data is manually input into the weight device.

Measured information and, optionally, custom data, can then be loaded to and from the current user's profile, allowing the user to maintain a user profile comprising a comprehensive set of data relating to current measurements, physical attributes, trends and projections of measurement change, target goals and other similar information. The information in a user's profile is easily accessible by the proper user, and is securely maintained to prevent unauthorized access by others.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a block diagram of one embodiment of the weight device of the current invention.

Fig. 2 is a block diagram of one embodiment of the weight device showing a user's foot positioned towards the weight device platform

Fig. 3 is flow diagram of one method of use of the weight device.

DETAILED DESCRIPTION OF THE INVENTION

Various aspects of the system and method of the present invention will be described, and for purposes of explanation, specific configurations and details are set

forth in order to provide a thorough understanding of the present invention. However, it will be apparent to one skilled in the art that the present invention may be practiced without these specific details. Furthermore, well known features have been omitted or simplified in order to prevent obscuring the present invention.

5 The device of the current invention can be any weighing device, such as weight scales, body mass indicators, fat scales, fat analyzers and combinations thereof; and, for this description of the current invention, the term “weight device” will be used to refer to these and other similar devices. The preferred embodiment of the weight device, herein, is that of a bathroom scale for obtaining the weight of a
10 user. Those of ordinary skill in the art will readily apply the current invention to a variety of similar devices, and such applications are well within the spirit of the current invention.

 Similarly, a weight device can obtain a variety of measurement information, including, but not limited to: weight, body mass, fat percentage, bioimpedience,
15 calorie count and other similar information; and, for this description of the current invention, the term “measurement information” will be used to refer to these and other similar measurements. The preferred embodiment is of a weight device that obtains the weight of a user. Those of ordinary skill in the art will readily apply the current invention to a weight device that is capable of obtaining a variety of information, and
20 such applications are well within the spirit of the current invention.

 In a preferred embodiment, the weight device of the current invention is a biometrically operated weight scale useful for obtaining weight measurements in humans. In the current art, weight scales are available wherein a user sets-up, accesses, reviews and alters a user profile by manually entering a user code. Such

entry is laborious and the user codes can be seen and copied by others, thus destroying any degree of privacy these devices may offer. The current invention uses a biometric identification system to overcome this deficiency in the prior art, which only requires a user's unique biometric identifier, e.g., fingerprint, iris scan, toe print, etc, to
5 automatically set-up, access, review and alter a user profile. Biometric identifiers cannot be lost, copied or stolen like user IDs and passwords are. Nor do they have to be memorized. Thus, the current invention offers a high level of privacy and security for the user's personal weight management information.

Weighing scales are useful in many environments, including, by way of
10 example only and not limitation, private residences, gymnasiums and other sporting facilities, automobile seats, and medical offices. In the preferred embodiment, the weight device has an electronics unit, wherein user profiles and, optionally, custom data is stored. Custom data can include any data that a user desires to store, including, but not limited to, custom user identification, height, gender, age, current
15 measurement information, past measurement information, past measurement information trends, trend based projected measurement information, average measurement information, target measurement information, comparison of target versus average measurement information, measured information management information and measured information goal information. It is obvious to those of
20 ordinary skill in the art that the invention of the current disclosure can be applied in any environment wherein weight scales can be used. Such applications are obvious in light of the current disclosure and do not exceed the scope or spirit of the current invention.

Referring now to figure 1, the weight device 2 of the current invention is described. In a preferred embodiment, the weight device 2 of the current invention is a digital bathroom weight scale having a housing 4, an electronics component 6, a biometric identification system 8, and a user communication device 10. In an
5 alternative embodiment, the weight device also includes a data entry module 12.

In the preferred embodiment, the weight device 2 is positioned on the floor, and housing 4 is substantially flat such that housing 4 further comprises a platform allowing a user to comfortably stand on said weight device in order to activate the biometric system 8 and to allow the weight device to obtain current measurement
10 information. The platform of housing 4 can be substantially flat, or can have contours to guide the user towards proper positioning on said platform. Users generally position themselves on a weight device, such as a bathroom scale, such that the left and right feet are at a predictable location on the housing 4 platform. For weight devices 2 having a substantially flat housing 4 platform, this position is generally
15 where a comfortable stance position would be. For weight devices having a contoured housing 4 platform, this position is where the feet are placed comfortably within the contour cradles. Predictable user positioning is possible with the other variety of weight devices available on the market.

The biometric identification system 8 of the weight device 2 is preferably
20 placed such that the scanner of said biometric identification system 8 is in a position allowing easy access by the user when weight device 2 is being used. Referring to figure 2, the weight device 2 comprises a housing 4 with a substantially flat platform for the user's feet. The biometric identification system 8 further comprises a scanner 14 exposed on the exterior of housing 4 and traversing housing 4 therein electrically

connecting said biometric identification system 8 to the electronics component 6.

Thus, scanner 14 is in a position whereby, when positioned on housing 4 of weight device 2, the user's foot - more preferably the user's toe - contacts said scanner 14 of the biometric identification system 8. The biometric identification system 8 obtains
5 the user's unique identifier, in this preferred embodiment the user's toe print, digitizes said unique identifier, communicates the digital information to the electronics component 6 where the unique identifier is checked against a database of user identifiers and the results of said user profile search are communicated to communication device 10.

10 In an alternative embodiment, the biometric identifier scanner is placed wherein a user's fingerprint is scanned. A variety of weight scales include podiums and/or hand rails. (See for example, SECA 645 Electronic Handrail Scale, SECA 954 Chair Scale, SECA 664 Multifunction and Wheelchair Scale, SECA 767 Column Scale, and SECA 882 Flat Scale with Remote Unit, all available from SECA
15 Corporation, Diamond Bar CA). Such weight scales are designed such that a portion of the weight scale is at least waist high or otherwise accessible to the user's hand while the user is in position for weighing on said weight scale. These weight scales can have the biometric identifier scanner positioned such that the user can place their hand and/or finger on said biometric identification scanner for identification.

20 Biometric identification technology has low to nil rates of false recognition, false rejection and failure to enroll, and thus is useful for creating and maintaining secure and private user profiles. It is advantageous to the user of the current invention that said user's weight management information - including measured information and/or custom data - is kept secure using the biometric identification system of the

current invention. Such means of maintaining user privacy is much easier and more secure than what is available in the private art. It is further advantageous that the weight device of the current invention can utilize said biometric identification data to create and access user profiles stored in said weight device, requiring nothing more
5 from the user than proper positioning on said weight device. Such creation and accessing of user profiles without the need for tedious manual inputs is a further advantage over the prior art.

In the current invention, a user is positioned on the weight device 2 and biometrically identified as described immediately above. The user profile search is
10 performed and is communicated by the electronics component 6 to the communication device 10. In a preferred embodiment, communication device 10 is an LCD. The electronics component 6 will first communicate whether the user has been identified as an existing or a new user. Although error rates for biometrics are very low, errors are possible. Should an existing user be identified as a new user,
15 communication device 10 will state such. The electronics component 6 offers a short period of time before the new user profile is saved in memory, and, in this situation, the user will step off of the weight device 2, thereby not accepting creation of a new user profile, and will step back on to the weight device 2 to receive a new identification read. Other error correction methods are obvious to those of ordinary
20 skill in the art.

Once a user profile has been either created or accessed, depending on whether the user is new or existing, respectively, the user's profile data is presented by communication device 10. Data presented on communication device 10 can include, but is not limited any combination of measured information held in memory of

electronics component 6, or currently being received because of the user's positioning on weight device 2. In a preferred embodiment, communication device 10 is capable of displaying past trends for the measured information. For example, the user's measured information is acquired by the weight device 2 and is date stamped and
5 stored in electronics component's 6 memory. During subsequent uses of the weight device 2 by the user, said user can look at past trend measurement data. Said past measurement data can be presented as measured values, average periodic change in values, or comparison to goal readings. Communicated measurement data can additionally appear as graph plots and trends wherein weight change is displayed as a
10 function of time for a defined period of time. Similarly, this trend information can be projected forward to show future weights as a function of future dates given the current rate of change. In addition, trends and projections can be compared to goals that are entered into a user profile (entry of custom data is discussed directly below) in order to show a user, for example, how said user is measuring in compare to a goal
15 measurement or can show time until a final goal is reached. Other measured data displays are readily employed with the current invention by those of ordinary skill in the art.

Custom data can be entered into weight device 2 through data entry module
12. In one embodiment, data entry module 12 is an alphanumeric keypad and data is
20 manually entered using alpha numeric keys. Such information includes that which the weight device 2 cannot obtain via the biometric identification system 8 or through the load sensors, strain gauges or other common measurement devices. For example, the biometric identification system 8 will scan a new user, and will create a new user profile; however, the user will then be given a randomly generated user name. If the

user desires to customize his or her user name, then said user will enter the custom name using the data entry module 12. Similarly, the data entry module allows users to enter age, gender, height and other similar information. Data entry modules 12 can communicate with the weight device 2 using any of a variety of means well known in the art, including, but not limited to wireless communication and wired communication.

More complex custom data can be entered into the user profile using a data entry module 12. For example, a user's health care provider or personal trainer may prescribe a set of target goals relating to a weight loss routine for the user. Because these types of custom profile data may be detailed, and thus would be time consuming to enter using an alphanumeric keypad, the data entry module 12 can be a port for accepting removable media such as floppy disks, CDs, memory cards and the like containing the custom data. Here the custom data is already entered on to the removable media and need only be transferred to the user profile of a user's weight device(s) 2. In this example, the user inserts the removable media into data entry module 12 and the information transfers into and will update the user's profile.

Similarly, should a user desire to transfer information from said user's profile onto a removable media source, such as when the user would like to take a progress report to said user's healthcare provider or personal trainer, the user inserts the removable media into the data entry module 12, and the information loads onto said removable media. The user's health care provider or personal trainer then, in turn, can review the history of measured user data and trends as well as comparison of actual to goal data. Said health care provider or personal trainer can then comment and discuss the progress with the user and may alter a regimen based on said reviewed data. In an

alternative embodiment, said custom data can be transmitted wirelessly when data entry module 12 is equipped with wireless communication capabilities. Further embodiments wherein complex data is communicated to and from a weight device 2 using data entry module 12 are known by those of ordinary skill in the art

5 Turning now to figure 3, an exemplary method of using a weight device comprising the current invention is illustrated. In this example, a user is on weight device 2 in proper position 100 such that the biometric scanner 14 can identify the user 220 and such that the weight device 2 can obtain measurement information 240. The biometric identification system 8 obtains and digitizes said biometric
10 identification information, and then transfers said information to the electronics component 6. The electronics unit compares the obtained information to the database of user profiles to determine whether the current user is a new user or an existing user 300. If it is determined that the current user is a new user then a new user profile is created 320. If it is determined that the current user is an existing user, then the
15 existing user profile is accessed 340. This determination is communicated to the user 400 via a transfer of the determination from the electronics component 6 to the communication device 10, and, if determination 300 is incorrect, the user can disengage from the weight device 2, thereby deleting said determination 300. In this case, the user will reposition on said weight device 2, and the process begins from
20 step 100. However, if the user determination 300 is correct, the user stays in position for the short time period and determination 300 is accepted, and steps 320 and 340 proceed.

Once determination 300 is accepted by the user and a user profile is created 320 or accesses 340, the user profile can be updated 500. Updated information can

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include measurement information currently obtained by weight device 240 or can include custom user data 600 entered using data entry module 12. Both obtained measurement data 500 and custom user data 600 are transferred to the electronics component 6 where the data is stored in memory for that user's profile. In addition, 5 the obtained measurement data 500 and the custom user data 600 can be communicated to the user 400, preferably, but not necessarily, via an LCD communication device 10. Further, said measured data 500 and/or said custom data 600 can be communicated to a removable media source, thus allowing the measured data 500 and/or said custom data 600 to be transferred to other machines.

10 While the particular systems and methods shown and described herein in detail are fully capable of attaining the above described objects of the this invention, it is to be understood that the description and drawings presented herein represent one embodiment of the invention and are therefore representative of the subject matter which is broadly contemplated by the present invention. It is further understood that 15 the scope of the present invention fully encompasses other embodiments that may become obvious to those skilled in the art and that the scope of the present invention is accordingly limited by nothing other than the appended claims.

We claim:

1. A weight device, comprising:
 - a. a housing;
 - b. a biometric input device;
 - 5 c. an electronics component; and
 - d. a communication device.
- 10 2. The weight device of claim 1, wherein said housing is configured such that both the measurement information and the biometric input are obtained when said weight device is in use.
- 15 3. The weight device of claim 1, wherein said housing is configured to further comprise a platform for obtaining measurement information from a user and to obtain a biometric input from said user when said user is in a position to deliver said measurement information.
- 20 4. The weight device of claim 3, wherein said housing is configured to form a bathroom scale further comprising a platform to accept said user's feet for obtaining measured information and wherein said biometric input is a toe print obtained from the user when said user's feet are positioned on said scale for measuring.
5. The weight device of claim 1 wherein said biometric input device further comprises a scanner component and wherein said scanner component is located to obtain biometric input from a user of said weight device.

6. The weight device of claim 1 wherein said biometric input device is located on the weight device such that when a user is using said weight device both the measured information and the biometric input are obtained while the user is in a single position.

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7. The weight device of claim 6, wherein said biometric input device is located on the platform of said weight device allowing said biometric input device to obtain biometric input from the same user position as said weight device will obtain measured information.

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8. The weight device of claim 1, wherein said biometric input device obtains biometric input and communicates said biometric input to the electronics component for screening against a plurality of user profiles stored on said electronics component.

15 9. The weight device of claim 1, wherein a plurality of user profiles are identified and secured using biometric input received from said biometric input device.

10. The weight device of claim 1, wherein the electronics component further comprises means for creating, accessing and editing a plurality of user profiles further
20 comprising measurement information.

11. The weight device of claim 10, wherein said means for creating, accessing and editing said plurality of user profiles includes biometric input means.

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12. The weight device of claim 1, wherein said communication device is a visual indicator.

13. The weight device of claim 12, wherein said communication device is an
5 LCD.

14. A method of managing a plurality of user profiles in a weight device wherein said plurality of user profiles comprise individual user profiles identified and secured by the biometric input of an associated individual user and measurement information
10 relating to said associated individual user, and comprising the steps of:

- a. receiving biometric input from a current user;
- b. comparing said biometric input to the biometric input belonging to said associated individual user of said individual user profile of said plurality of user profiles;
- 15 c. determining based on said comparison of biometric input received and biometric input belonging to said associated individual user of said individual user, whether said current user is an existing user; and
- d. updating said current user's individual user profile with measured information.

20 15. The method of claim 14, wherein said step of comparing biometric input received to the biometric input belonging to said associated individual user of said individual user profile of said plurality of user profiles results in determining that said current user is a new user.

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16. The method of claim 15, wherein a new individual user profile is created comprising, a biometric identifier for security and measured information for the current user, and wherein said new and updated individual user profile is included in said plurality of user profiles.

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17. The method of claim 14, wherein said step of updating, further comprises updating using a data entry module.

18. The method of claim 14, wherein said measured information is communicated
10 to said current user.

19. The method of claim 18, wherein said measured information is calculated along with custom data, and the combination thereof is communicated to said current user.

15

20. The method of claim 14, wherein said individual user profile can be transferred to a data entry module.

ABSTRACT OF THE DISCLOSURE

A programmable microprocessor-controlled weight device capable of storing a plurality of user profiles, each individual user profile comprising, a biometric identifier used for secured access to said individual user profile, measured information
5 and, optionally, custom data. The biometric identifier is preferably placed such that identification of the user is conveniently performed while the user is positioned for measurement on the weight device. The biometric identification data is used to scan the plurality of user profiles, determine whether the current user has a profile, or whether one must be created, and allows access to the user profile associated with the
10 current user. Measured information and, optionally, custom data can then be loaded to and from the current user's profile. The information in a user's profile is, therefore, easily accessible by the proper user, and is securely maintained to prevent unauthorized access by others.

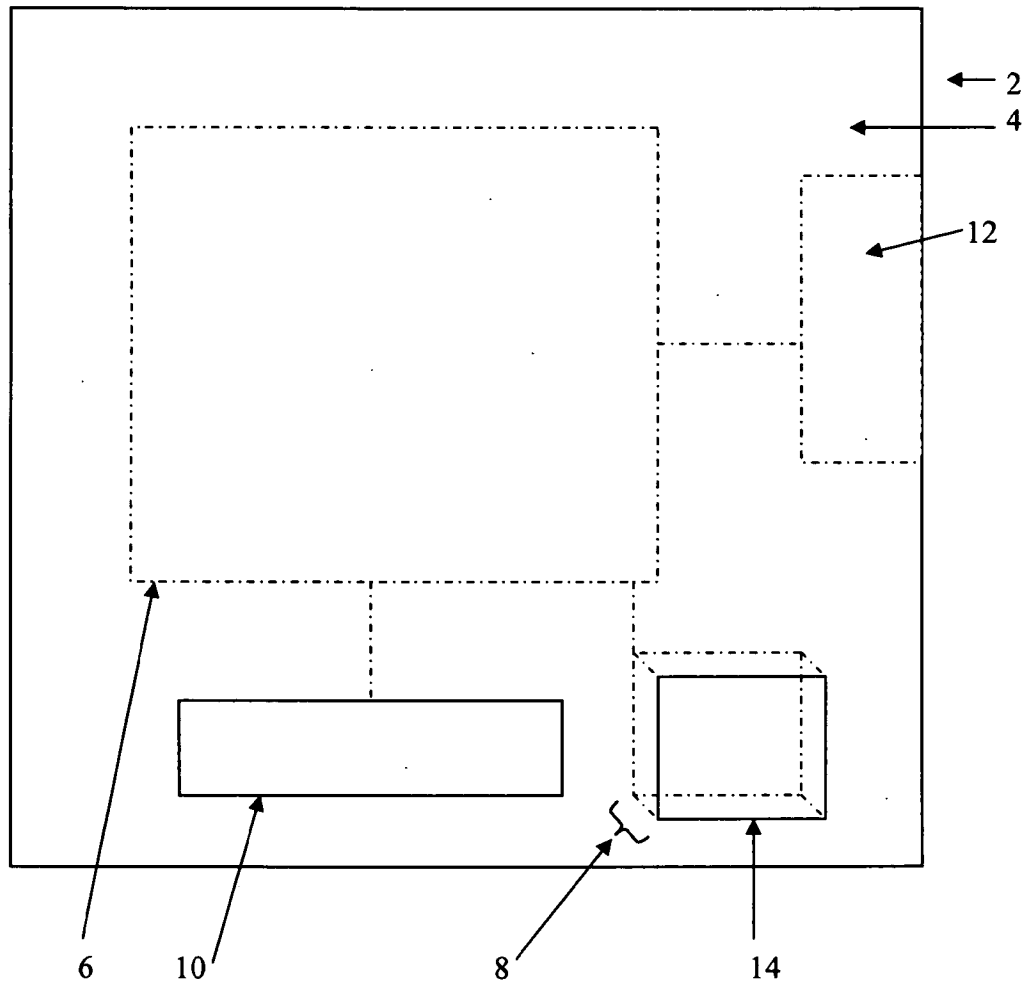


Figure 1

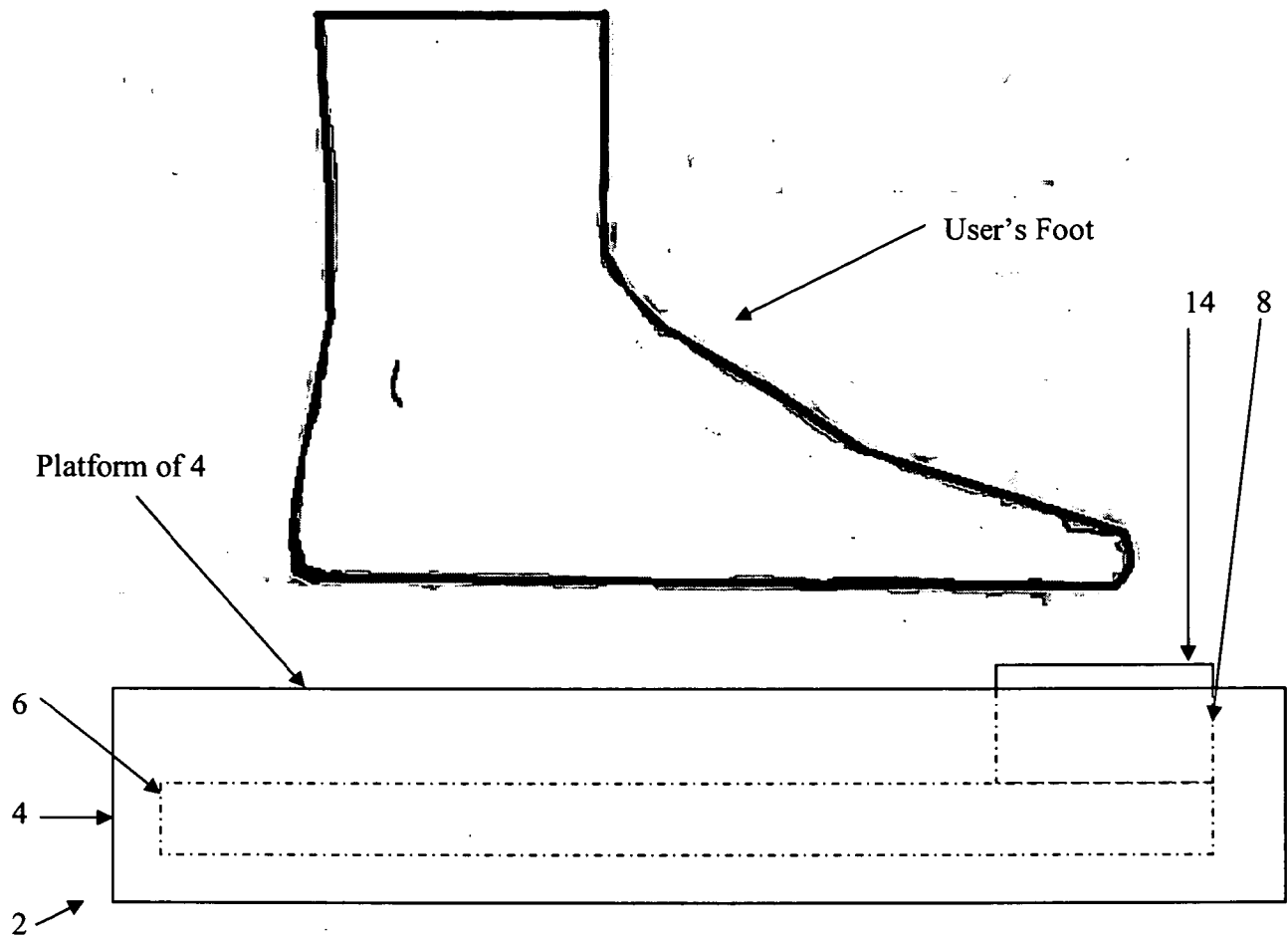


Figure 2

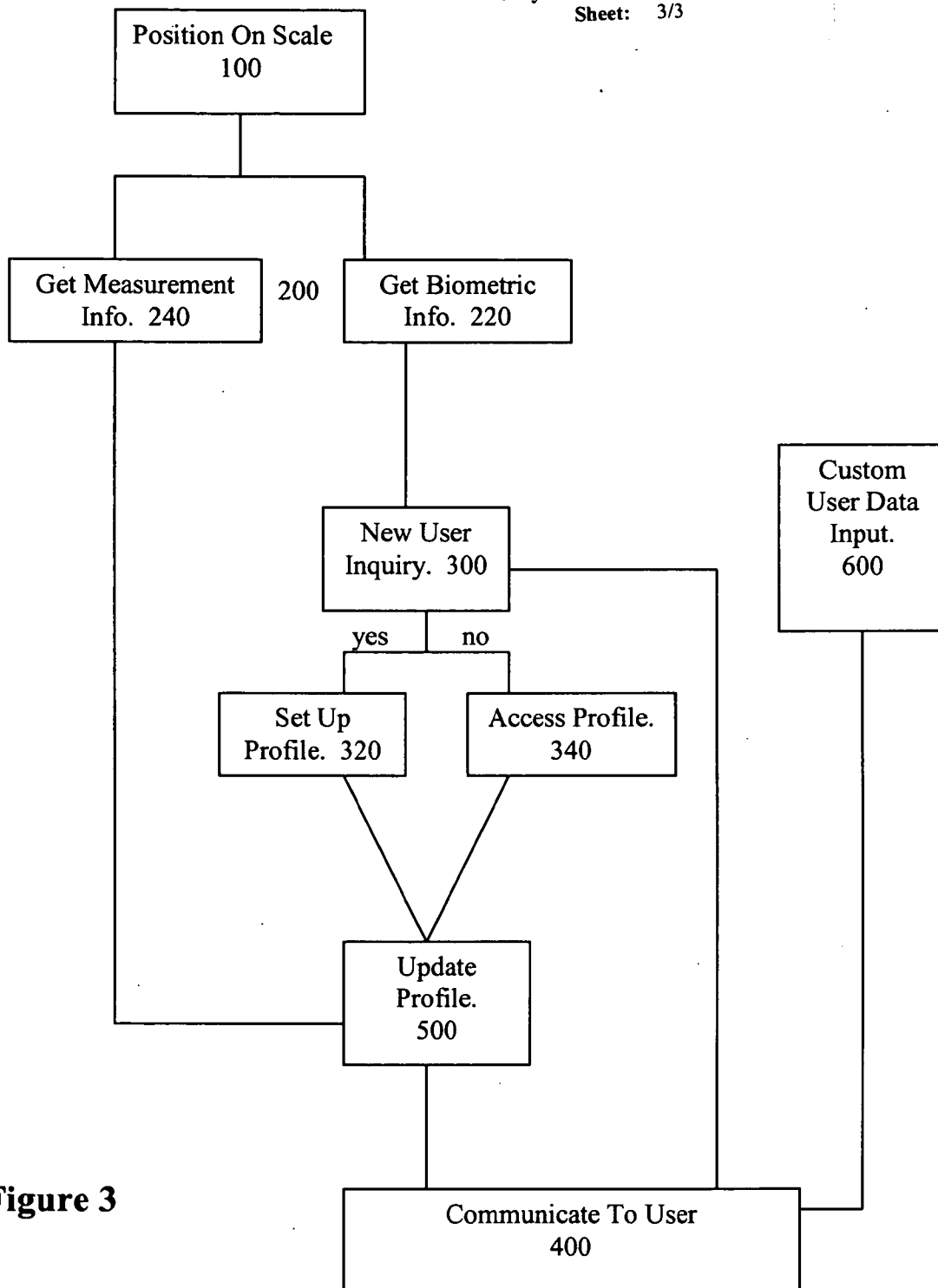


Figure 3